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APPLICATION NO.	FU	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/660,990	90 09/12/2003		John D. Hottovy	CPCM:0023/FLE210318US1 6088		
7	590	02/24/2005		EXAMI	NER	
Fletcher Yoder Attn: Michael G. Fletcher				LU, C CAIXIA		
P.O. Box 6922		ici	ART UNIT	PAPER NUMBER		
Houston, TX	77269-2	2289		1713		

DATE MAILED: 02/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)
Office Action Summary		10/660,990	HOTTOVY ET AL.
		Examiner	Art Unit
		Caixia Lu	1713
The MAIL Period for Reply	ING DATE of this communication app	pears on the cover sheet with the o	correspondence address
THE MAILING D. - Extensions of time mafter SIX (6) MONTH - If the period for reply - If NO period for reply - Failure to reply within Any reply received by	STATUTORY PERIOD FOR REPL' ATE OF THIS COMMUNICATION. ay be available under the provisions of 37 CFR 1.1 S from the mailing date of this communication. specified above is less than thirty (30) days, a reply is specified above, the maximum statutory period of the set or extended period for reply will, by statute the Office later than three months after the mailing djustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from to, cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).
Status			
2a)⊠ This action 3)□ Since this	e to communication(s) filed on <u>09 D</u> is FINAL . 2b) This application is in condition for alloward coordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition of Clair	ns		
4a) Of the a 5) ☐ Claim(s) _ 6) ☑ Claim(s) 1 7) ☐ Claim(s) _	above claim(s) is/are withdrawing in the above claim(s) is/are withdrawing is/are allowed. 15 and 21-27 is/are rejected. is/are objected to. are subject to restriction and/or	wn from consideration.	
Application Papers			
9)☐ The specific	cation is objected to by the Examine	er.	
10)☐ The drawin	g(s) filed on is/are: a) acc	epted or b) objected to by the	Examiner.
, ,	ay not request that any objection to the		• •
<u> </u>	nt drawing sheet(s) including the correct	* * * * * * * * * * * * * * * * * * * *	•
11) Ine oath or	declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.
Priority under 35 U.	S.C. § 119		
a) All b) Certi 2. Certi 3. Copi appli	gment is made of a claim for foreign Some * c) None of: ified copies of the priority document ified copies of the priority document ies of the certified copies of the priority document ication from the International Bureau ched detailed Office action for a list	is have been received. Is have been received in Applicat rity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s)		_	
· =	son's Patent Drawing Review (PTO-948) ure Statement(s) (PTO-1449 or PTO/SB/08)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	

DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 2. Claims 1-15 and 21-23 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The support for the newly added limitation of in claim 1, "withdrawing portion of the fluid slurry as an intermediate product at a slurry withdrawal location in the loop reaction zone where in intermediate product contains a higher concentration of the solid polyolefin particles than an average concentration of the solid polyolefin particles the fluid slurry in the loop reactions zone", is neither identified by the applicants nor found by the examiner in the application as originally filed. The newly added limitation is now matter.

Claim Rejections - 35 USC § 102

3. Claims 1-15 and 21-27 are rejected under 35 U.S.C. 102(E) as being anticipated by Kendrick et al. (US 2002/0173598 A1).

In claims 161 and 162 of page 17, Kendrick claims a polymerization process in a loop reactor comprising feeding the catalyst into the reactor from multiple inlets, feeding monomer, comonomer, diluent and other additives to the reactor through multiple feed

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inlets, and discharging the polymer slurry intermediate product through at least two discharge conduits; wherein the feed inlets are symmetrically arrange around the reactor and the reaction kinetics are maintain constant. The multiple feed inlets and multiple discharge conduits are demonstrated in Figs. 5 and 6 with explanations in paragraphs [0064] and [0065] on page 6, and paragraphs [0071] on page 7. Kendrick teaches that the discharging slurry intermediate product has a higher weight percentage of polymer solids than the weight percentage of solids in the circulating slurry in the reactor (paragraphs [0026] and [0027]), the difference of the reactant monomer concentrations, measured in wt.%, taken at any two points along the loop reactor is within 20% of the higher value (paragraph [0063]). The range of ethylene concentration of Kendrick's Example 3 and 4 are 0.4 and 1.0 wt.% respectively.

Kendrick's teaching encompasses the instant claims.

Similar rejections are also applied to the teaching of Kendrick et al. (US 2003/0161765 A1), see Fig. 5 and 6, paragraphs [0028], [0029] and [0074] to [0082].

Response to Arguments

4. Applicant's arguments with respect to the rejected claims over the cited prior art have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful and the matter is urgent, the examiner's supervisor, David Wu, can be reached at (571) 272-1114. The fax numbers for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1700.

Caixia Lu, Ph. D. Primary Examiner February 22, 2005